

IFW

PATENT
DOCKET NO. JHV-028.01

In re Application of:

Gallagher, M., et al.

Application No: 10/722,357

Filed: November 24, 2003

For: Target for Therapy of Cognitive
Impairment

Art Unit: 1641

Examiner: Not Yet Known

Attention: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on *June 17, 2004*.


Steve Pereira

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Because this application was filed after June 30, 2003, copies of the U.S. patents are not enclosed. However, a copy of the foreign patent documents and copies of the references are also being submitted.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of**

entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

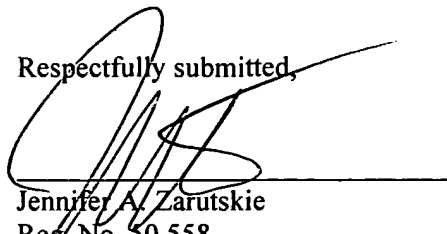
STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that **[check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]**:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Date: June 17, 2004

Respectfully submitted,



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INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> JUN 21 2004 EXAMINER'S OFFICE	Docket Number (Optional)	JHV-028.01	Application Number	10/722,357
	Applicant			
	Gallagher, Michela et al.			
Filing Date		November 24, 2003	Group Art Unit	1645

U.S. PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1	4,558,070	05/13/86	Smith			
A2	4,563,419	01/07/86	Ranki et al.			
A3	4,595,695	06/17/86	Ladkani			
A4	4,654,370	03/31/87	Marriott, III, et al.			
A5	4,683,202	07/28/87	Mullis			
A6	4,751,177	01/14/88	Stabinsky			
A7	4,868,103	09/19/89	Stavrianopoulos et al.			
A8	4,895,873	1/23/90	Schafer			
A9	4,913,906	04/03/90	Friedman et al.			
A10	5,017,613	05/21/91	Aubert et al.			
A11	5,019,398	05/28/91	Daste			
A12	5,049,586	09/17/91	Ortega et al.			
A13	5,143,854	09/01/1992	Pirrung et al.			
A14	5,162,573	11/10/92	Chiesi et al.			
A15	5,252,743	10/12/1993	Barrett et al.			
A16	5,283,317	02/01/1994	Saifer et al.			
A17	5,384,261	01/24/1995	Winkler et al.			
A18	5,412,087	05/02/1995	McGall et al.			
A19	5,424,186	06/13/1995	Fodor et al.			
A20	5,440,023	08/08/95	Cheng et al.			
A21	5,451,683	09/19/95	Barrett et al.			
A22	5,563,037	10/08/96	Sutherland et al.			
A23	5,571,639	11/15/96	Hubbell et al.			

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)

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	A25	5,593,839	01/14/1997	Hubbell et al.			
	A26	5,599,695	02/04/1997	Pease et al.			
	A27	5,624,711	04/29/1997	Sundberg et al.			
	A28	5,627,175	05/06/97	Simon			
	A29	5,631,169	05/20/97	Lakowicz et al.			
	A30	5,631,734	05/20/1997	Stem et al.			
	A31	5,641,670	06/24/97	Treco et al.			
	A32	5,677,195	10/14/1997	Winkler et al.			
	A33	5,705,308	01/06/98	West et al.			
	A34	5,773,746	06/30/98	Vaden			
	A35	5,733,761	06/31/98	Hartikainen et al.			
	A36	5,744,335	04/28/98	Wolff et al.			
	A37	5,856,569	01/05/99	Santaniello et al.			
	A38	5,968,502	10/19/99	Treco et al.			
	A39	5,976,567	11/02/99	Wheller et al.			
	A40	6,020,202	02/01/00	Jessee			
	A41	6,051,380	04/18/00	Sosnowski et al.			
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	A45	6,203,897	03/20/01	Koizumi et al.			
	A46	6,263,287	07/17/01	Zheng et al.			
	A47	6,326,462	12/04/01	Debouck et al.			
	A48	6,565,844	05/20/03	Treco et al.			
	A49	6,610,326	08/26/03	Chen et al.			
	A50	6,702,989	03/09/04	Sacks et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	B1	EP 624,059 (provided as WO 93/09668)	11/17/94	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL SE			

Form PTO-1449

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/	B2	EP 0 070 685 B1	01/26/83	BE CH DE FR GB IT LI NL				
	B3	EP 0 728 520 A1	08/28/96	DE FR GB IT NL				
	B4	EP 0 728 520 B1	05/16/01	DE FR GB IT NL				
	B5	GB 2156074A	10/02/85	GREAT BRITAIN				
✓	B6	WO 90/01564	02/22/90	PCT				
	B7	WO 90/15070	12/13/90	PCT				
/	B8	WO 92/10092	06/25/92	PCT				
/	B9	WO 93/06121	04/01/93	PCT				
/	B10	WO 93/09668	05/27/93	PCT				
	B11	WO 94/08051	04/14/94	PCT				
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/	B13	WO 95/01195	01/12/95	PCT				
	B14	WO 95/12608	05/11/95	PCT				
	B15	WO 95/30642	11/16/95	PCT				
	B16	WO 95/35503	12/28/95	PCT				
	B17	WO 96/17958	06/13/96	PCT				
	B18	WO 97/10365	03/20/97	PCT				
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C1	Abbott, "Nature, 417:109, 2002
C2	Ahn et al., Proc. Nat'l. Acad. Sci., USA, 100:1740-4, 2003
C3	Amador and Wacker, Clin Chem 8:343, 1962
C4	Aronica et al., Eur. J. Neurosci. 17: 2106-18, 2003

Form PTO-1449		Docket Number (Optional)		Application Number	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		JHV-028.01		10/722,357	
		Applicant			
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		November 24, 2003		1645	
	C5	Barlassina C, et al. J. Am. Soc. Nephrol. Suppl., 3:S155-S164, 2002			
	C6	Bowtell, David D. L., Nature Genetics Suppl., 21:25-32, 1999			
	C7	Chappell et al. Neuropharm. 37: 481-488; 1998			
	C8	Colombo et al. Proc. Natl. Acad. Sci., U.S.A., 94: 14195-14199, 1997			
	C9	Conradt, J. Neurochem. 68:1244-51 1997			
	C10	Do et al., Anesth. Analg. 95:1263-8, 2002			
	C11	Duggan et al. Nat. Genetics, 21:10-14, 1999			
	C12	Eberwine et al., Proc. Natl. Acad. Sci., U.S.A., 89:3010-3014, 1992			
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	C14	Fodor et al., Science 251:767-777, 1991			
	C15	Gallagher, M. et al., Behav. Neurosci. 107:618-626; 1993			
	C16	Gallagher and Burwell, Neurobiol. Aging 10: 691-708, 1989			
	C17	Hassel et al., J. Neurochem. 77: 1285-1292, 2001			
	C18	Heemskerk et al., T.I.N.S., 25: 494-496, 2002			
	C19	Hegde et al., BioTechniques, 29:548-562, 2000			
	C20	Hegele RA., Trends Endocrinol. Metab. 14:371-377, 2003			
	C21	Hughes, et al., Nature Biotechnology, 19: 342-346, 2001			

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	C23	Karmen, J. Clin. Invest. 34:131, 1995			
	C24	Lin et al., Nature 410: 84-88, 2001			
	C25	Livesey et al., Current Biology 10:301-310, 2000			
	C26	Lockhart et al., Nature Biotech. 14:1678-1680, 1996			
	C27	Moro and Lerner, J. Biol. Chem. 272(2):966-70, 1997			
	C28	Murphy, et al., J. Neurosci. 78: 704-714, 2001			
	C29	Nicolle et al. Neuroscience 74: 741-756, 1996			
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	C31	Obaru et al., J. Mol. Biol. 200:13022, 1988			
	C32	O'Loinsigh, et al., J. Neurochem. 88: 370-379, 2004			
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	C34	Sakai et al., Anal. Biochem., 287: 32-37, 2000			
	C35	Skena et al., Science, 270:467-470, 1995			
	C36	Skena et al., TIBTECH, 16:301-30, 1998.			
	C37	Sheldon et al., Clin. Chem., 39:718-719, 1993			
	C38	Shih, et al. Curr. Diab. Rep. 2:125-134, 2002			

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		Filing Date November 24, 2003		Group Art Unit 1645	
	C39	Shimada et al., Eur. J. Pharmacol. 386:263-70, 1999			
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	C41	Su et al., Proc. Nat'l. Acad. Sci., U.S.A., 100:1955-1960, 2003			
	C42	Wei et al., Proc. Nat'l. Acad. Sci., U.S.A., 100:10782-7, 2003			
EXAMINER				DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE